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U. S. DEPARTMENT OF AGRICULTURE FOREST SERVICE

MAY 22 1913

8-2349

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 246

SITUATED IN THE

SITGREAVES NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 3 , unsurveyed, Township 11 N., Range 17 E.

Section 4 , unsurveyed, Township 11 N., Range 17 E.

Section 33 , unsurveyed, Township 12 N., Range 17 E.

Section 34 , unsurveyed, Township 12 N., Range 17 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Su	rveyor - Fores	t Service
Under special instructions dated	August 6	1914
Survey commenced	August 10 ,	1914
Survey completed	August 11	1914.
Under Acts of June 11, 1906 and June	30, 1914	
Applicant for listing Raymond M. Jens	sen,	
Residence Heber, Ar	izona.	
Ammiliantian N OCT		
Application No. 263 , dated	May 15	1911.
List No. 3-1539, dated		
	November 2,	1911
List No. 3-1539 , dated Applicant for survey Raymond M. Jens	November 2,	19 11
List No. 3-1539 , dated	November 2 ,	19 11

OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley.

Surveyor - Forest Service in surveying all those parts or portions of Homestead Entry Survey No. 246 , in unsurveyed Section 3 , Township 11 N. , Range 17 E. , unsurveyed Section 4 , Township 11 N. , Range 17 E. , unsurveyed Section 33 , Township 12 N. , Range 17 E. unsurveyed Section 34 , Township 12 N. , Range 17 E. of the G. & S.R.B. & meridian, State of Arizona , which are represented in the following field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Arizona.

Note: It would have been very expensive and inconvenient to appear before an officer to administer oaths to Assistants; hence, they were taken by the Surveyor.

Charles D'Horls ore, Chainman Charles & Baccht, Chainman

Subscribed and sworn to before me this 12th day of

November , 1914.

Watter 9. Purly Surveyor- Fourt Service

OATH OF SURVEYOR

Service

I, Walter G. Turley, Surveyor - Forest, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated August 6, 1914, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land upon=the=spp!:satism=sf embraced in List, No. 3-1539 dated Nov. 2, 1911, for Patent, under the Act of June 11, 1996, the same to be known as Homestead Entry Survey No. 246, situated within the SITGREAVES National Forest, in unsurveyed Section 3, Township 11 N., Range 17 E., and unsurveyed Section 4, Township 11 N., Range 17 E., and unsurveyed Section 34, Township 12 N., Range 17 E., and unsurveyed Section 34, Township 12 N., Range 17 E., and unsurveyed Section 34, Township 12 N., Range 17 E., and unsurveyed Section 34 Township 12 N., Range 17 E., and unsurveyed by me; and I further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the stated special instructions, and in the specific manner described in the field notes, and that the following are the original field notes of such survey.

Subscribed and sworn to before me this 33 and day of

February, 1915.

 SEAL. (*) SEAL. (*) SEAL. (*)

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1.

SITGREAVES NATIONAL FOREST

ARIZONA STATE OF

Chains

Applicant for listing, Raymond M. Jensen; Application No. 263, dated May 15, 1911; List No. 3-1539, dated November 2, 1911; Homestead Entry No. 018477, made in the Phoenix Land Office on July 1, 1912, by Raymond M. Jensen, whose post office address is Heber, Arizona. Surveyed under Acts of June 11, 1906 and June 30, 1914; and special instructions from the Surveyor General for Arizona, dated August 6, 1914, and designated as Homestead Entry Survey No. 246. Situated in what will probably be, when surveyed, secs. 3, 4, 33 and 34; Ts. 11 and 12 N., R. 17 E., Gila and ' Salt River Base and Meridian, 'within the Sitgreaves · National Forest, Arizona:

> Survey commenced August 10, 1914, and executed with a W. and L. E. Gurley light mountain transit No. 12953 provided with a prism eye piece, stadia wires, vertical circle and Burt solar attachment. The horizontal limb of the transit has two double verniers placed opposite to each other and graduated to single minutes of arc, which is also the graduation upon the verniers of the latitude and declination arcs.

I test the adjustments of the transit and solar attachment, and make necessary corrections. The stadia wire interval is adjusted to read 1:132.

All distances are horizontal; and were reduced from ' measurements made directly on the slope with a standard 500 link steel tape graduated to links and tenths; and the slope angles determined with a clinometer, the vernier of which reads to degrees; and a Philadelphia stadia rod, graduated to feet and hundredths, provided

HOMESTEAD ENTRY SURVEY NO. 246

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains with two targets, the verniers of which read to thous-

August 10, 1914. Tet no esilto basa xineeril edd

I set up my transit over cor. H-7 of List 3-1539, which is a sandstone 8 x 8 x 4 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with instructions at 10h, 40m. p.m., l.m.t., and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

Astron. 1.m.t. obsn., August 9, 1914, 34h. 40.0m.
Astron. 1.m.t. U.C. Pol., Aug. 9, 1914, 16h. 16.7m.

Hour angle Pol. at obsn.,

18h. 23.3m. 23h. 56.1m. 5h. 32.8m.

Azimuth Pol. at obsn., 1° 23' 24" E.

With my transit set up over cor. H-7 of List 3-1539,
heretofore described, and the telescope reversed in
altitude and azimuth, at 11h. 05m. p.m., 1.m.t., on
the same date, I again observe Polaris in accordance
with instructions, and mark the direction thus determined with a tack in a stake set firmly in the ground
5.00 chs. N. of my station.

Astron. l.m.t. obsn., August 9, 1914, 35h. 05.0m.

Astron. l.m.t. U.C. Pol., Aug. 9, 1914, 16h. 16.7m.

Hour angle Pol. at obsn., 18h. 48.3m.
23h. 56.1m.
5h. 07.8m.

Azimuth of Pol. at obsn., 1° 22' 00" E.
Lat. 34° 23' 52" N., Long. 110° 33' 04" W.

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SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

August 11,01914. noidenilees sidengem ent evresdo I

I turn off 1° 23-1/2', the azimuth of Polaris, to the

E. from her direction at 10h. 40m., p.m., 1.m.t.,

August 10, 1914, and mark the line thus determined with

a tack in a stake set firmly in the ground 5.00 chs.

N. of my station.

I also turn off 1° 22', the azimuth of Polaris, to the W. from her direction at 11h. 05m., p.m., 1.m.t., on the same date, and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs.

N. of my station. This line falls 0° 00' 58" of measured arc to the W. of the line previously established.

I mark the mean of these two lines with a tack in a stake set firmly in the ground 5.00 chs. N. of my station; and, from the corresponding meridian, all the courses stated in these field notes were deflected and referred by continuous sustained angulation.

bears W. 14°,00' E., 25 lks.

34° 24' 13" N. Lat., and 110° 29' 45" W. Long.,
at cor. of Secs. 25, 30, 31 and 36, T. 12 N., Rs.
17 and 18 E., taken from values stated in the special
instructions of the Surveyor General, which gives
34° 23' 52" N. Lat. and 110° 33' 04" W. Long., at
cor. No. 1 of this survey. The sun was obscured at
apparent noon on August 11; 1914, therefore a latitude
observation was not possible.

on August 3, 1914, I compared my watch by telephone with the standard 105° meridian telegraphic clock and found it correct. I subtract 22m. 12s. therefrom for l.m.t.

STATE OF ARIZONA

Chains

I observe the magnetic declination.at cor. No. 1 of
this survey to be 14° 50° E. at 8h. 00m., a.m., l.m.t.,
August 11, 1914, which gives a mean magnetic declination
of 14° 46° E. at 8 at 8 and 1 and

There is no corner of the Public Land Survey within two
miles of the homestead and therefore this claim is tied
to U. S. L. M. No. 180, H. E. S., which I established
on August 4, 1914 and is located upon a prominent point
near what will probably be when surveyed the northeast
corner of Sec. 33, T. 12 N., R. 17 E., Gila and Salt
River Base and Meridian, approximately 17.00 chs. north
of the main E. and W. wagon road. A (+) chiseled at
the point and USIMNo.180HES on the NW. face of an imbedded limestone 8 x 7 x 4 ft. above ground, with a
mound of stone 6 ft. base, 4 ft. high S. of cor. from
which:

A 7 in. pine scribed U S L M No 180 H E S + B T bears N. 14° 00' E., 25 lks.

... A 7 in. pine scribed U S L M No 180 H E S + B T

bears N. 81° 25' E. 17 lks. 2 to . 200 Js

Laio ed and An 18 in. pine scribed U.S. L.M. No. 180 H.E.S. + B.T. bears N. 84° 50° W., 43 lks. moitoutant

because N. 60° 15' W., 71 lks. I .01 .100

N. 65° 23' W. 44.45 chs. to cor. No. 1, H.E.S. 181.

one of 34° 23' 52' N. Lat., and 110° 33' 19' W. Long.,

.d.m. I rol mor scaled from the Atlas sheet. . toorroo ti

Note: This section of country is a high mesa covered with

relegation of recording 180

-2349

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SITCREAVES NATIONAL FOREST

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Chains timber therefore no prominent natural objects are visible from any point in this vicinity, warned Thence S. 34° 00 E. .ani a x SI x 83 enclabras By direct measurement for a tie. (4) before To Cor. No. aled . It s enote to bound s ester bas 34.52 Identical with cor. H-7 of List 3-1539 heretofore described, I destroy cor. H-7 and its witnesses; and. for cor. No. 1 of this survey, I chisel (+) on a stone .olderid x 3 x 2 ins., and deposit it 16 ins. in the ground over which I set a sandstone 26 x 13 x 4 ins. 16 ins. in the ground, chiseled (+) at the point and 1-HES246 on the SE. face and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course, 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, 3-1/2 bessen ift. SE. of cor. from which; enr v x a x 8 enote A 20 in. pine scribed 1 H E S 246 + B T aint to 8 bears N. 22º 18' W. 191 lks. 1 600 f-4 A 22 in. pine scribed 1 H E S 246 + B T s jes I doin bears S. 38° 52' W. 226 lks. 1 1 2000 b N. 34° 00' W. 34.52 to U.S.L.M.No. 180 H. E. S. face. Thence N. 72° 55' E. a enote to bouom a esist bas Along wire fence. Descend gentle SE. slope 10 ft. in A 12 in. pine scribed 3 H B S 246 + B. nego Wire fence bears S. . 2 '00 OAA . 2 27880 12.39 Left bank of arroyo 20 lks. wide, banks 1 ft. high, 33.32

course NE.

39.90 To Cor. No. 2.

Identical with cor. H-8 of List 3-1539, which is a sandstone 8 x 6 x 4 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor.

Theace S. 0º 24' W.

STATE OF ARIZONA

Chains

H-8 and its witnesses; and, for cor. No. 2 of this survey; I chisel (+) on a stone 4 x 4 x 2 ins. and deposit it 18 ins. in the ground, over which I set a sandstone 28 x 12 x 6 ins., 18 ins. in the ground chiseled (+) at the point and 2-HES246 on the S. face and raise a mound of stone 2 ft. base; 1-1/2 ft.

high S. of cor. from which:

A 10 in. pine scribed 2 H E S 246 + B T bears N. 60 31 W. 685 lks.

No other bearings available: Pits impracticable.

in the ground, chiscled (+) Es (+) beleside, bauerg edt ni

Along wire fence. Over bottom in open.

over which I set a sandstone 26 x 13 x 4 ins., 16 ins.

10.00 To Gor. No. 3.00 gnibeeous ent bas sidt no esiw

Identical with cor. H-1 of List 3-1539 which is a sandstone 8 x 6 x 7 ins. above ground, marked and witnessed
as described by the Forest Service. I destroy cor.
H-1 and its witnesses; and, for cor. No. 3 of this
survey, I chisel (+) on a stone 3 x 3 x 2 ins. and
deposit it 18 ins. in the ground, over which I set a
sandstone 28 x 12 x 5 ins., 18 ins. in the ground,
chiseled (+) at the point and 3-HES246 on the SW. face,
and raise a mound of stone 2 ft. base, 1-1/2 ft. high
SW. of cor. from which:

A 12 in. pine scribed 3 H E S 246 + B T 10 bears S. 44° 00° E., 360 1ks.

No other bearings available. Pits impracticable.

89.90 To Cor. No. 2.

Thence S. 0° 24' W.

Along wire fence. Over level land in open.

O.49 Right bank of arroyo, 10 lks. wide, banks 1 ft. high,

course NE. Ascend gentle NW. slope 10 ft.

. 7.

SITGREAVES NATIONAL FOREST

ground, and dig pits 24 x 24 x 12 ins. crosswise

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Chains

18.97 To Cor. No. 4.

this end the succeeding course. Identical with cor. H-2 of List 3-1539 which is a juniper post 4 x 4 x 24 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-2 and its witnesses; and, for cor. No. 4 of this survey, I chisel (+) on a stone 4 x 4 x 2 ins., and deposit it 14 ins. in the ground, over which I set a sandstone 24 x 15 x 4 ins., 14 ins. in the ground, chiseled (+) at the point and 4-HES246 on the W. face; and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. from which:

> A 6 in. juniper scribed 4 H E S 246 + B T bears N. 81° 15' E., 99 1ks.

A 9 in. pine scribed 4 H E S 246 + B T bears S. 37° 20' E., 131 1ks.

Thence S. 26° 55' W.

Along wire fence. Descend gentle NW. slope 5 ft. in open.

12.52

ing.,

Fence bears W. 14.95 Right bank of arroyo, 20 lks. wide, banks 1 ft. high, course NW. NH. of cor. from which:

To cor. No. 5. S A A S becires eniq .ni & A 23.37

> Identical with cor. H-3 of List 3-1539, which is a juniper post 6 x 6 x 24 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-3 and its witnesses; and, for cor. No. 5 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 14 ins. in the ground, over which I set a sandstone 24 x 14 x 7 ins., 14 ins. in the

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Chains

this and the succeeding course, 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, NW. of cor.

A 15 in. pine scribed 5 H E S 246 + B T bears S. 32° 15' E., 129 lks.

A 15 in. pine scribed 5 H E S 246 + B T bears S. 87° 45' E., 104 lks.

a sandstone 24 x 15 x 4 ins., 14 ins. in the ground,

Thence S. 720 43 W. one tolog ent to (+) belegine

Along wire fence. Ascend gentle NE. slope 5 ft. in

19.72 To Cor. No. 6. W , Mgid . Jt & , esed . Jt & dirac lo

Identical with cor. H-4 of List 3-1539 which is a cedar post 5 x 5 x 24 ins., above ground, marked and with nessed as described by the Forest Service. I destroy cor. H-4 and its withesses; and, for cor. No. 6 of this survey, I chisel (+) on a stone 3 x 3 x 2 ins., and deposit it 20 ins. in the ground, over which I set a limestone 30 x 15 x 4 ins., 20 ins. in the ground, chiseled (+) at the point and 6-HES246 on the NE. face, and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor. from which:

A 9 in. pine scribed 6 H E S 246 + B T

-inut B 21 do bears S. 72° 30' E., 62' lks.

A 20° in. pine scribed 6 H E S 246 + B T

bears S. 36° 10° W., 121 lks.

Thence N. O. 48 E. no (+) Lesido I, vevrus sint

Along wire fence. Descend NW. slope 5 ft. in scattering pine timber.

STATE OF ARIZONA

and dig pits 24 x 22 x 12 ins., crosswise on thi

Chains

9.83 To Cor. No. 7.

Identical with cor. H-5 of List 3-1539, which is a juniper post 5 x 5 x 24 ins., above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-5 and its witnesses; and, for cor. No. 7 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 17 ins. in the ground over which I set a sandstone 27 x 12 x 5 ins., 17 ins. in the ground, chiseled (+) at the point and 8-HES246 on the NE. face and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 3-1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high NE. of cor. from which:

A 28 in. pine scribed 7 H E S 246 + B T

bears N. 79° 15° E. 98 1ks.

A 22 in. pine scribed 7 H E S 246 + B T bears S. 27° 50' W., 152 lks.

Thence N. 89° 12' W.

Along wire fence. Over bottom in scattering pine timber.

19.00 To Cor. No. 8.

Identical with cor. H=6 of List 3-1539 which is a juniper post 5 x 5 x 24 ins., above ground, marked and witnessed as described by the Forest Service. I destroy cor.

H=6 and its witnesses; and, for cor. No. 8 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 17 ins. in the ground, over which I set a sandstone 27 x 18 x 8 ins., 17 ins. in the ground, chiseled (+) at the point and 8-HES246 on the NE. face

which is 5 ft. high and extends north-

STATE OF ARIZONA

Chains

and dig pits 24 x 24 x 12 ins., crosswise on this and the succeeding course 8 ft. dist. and raise a mound of earth'4 ft. base, 2 ft. high NE. of cor. from per post 5 x 5 x 24 ins., above ground, marked

witnessed as described by the Fores An 8 in. pine scribed 8 H E S 246 + B T 7 .0M .TOO TOR .DMS ; 8988911 10 W., 87 lks.

4 x 5 x 2 ins., A 30 in. pine scribed 8 H E S 246 + B T bears S. 7º 28' W., 74 lks.

Iniog ent is (+) nelse

N. 0° 35° E. Along fence. Thence N. O° 35' E.

Ascend S. slope in scattering pine timber 15 ft.

9.80 Cease ascending and descend gentle NE. slope 15 ft. III daid . It a . seed . II & nur in open.

To Cor. No. 1, the place of beginning. 23.98

AREA

Total Area

, apove ground, marked and witnessed

A 22 in. pine seribed V H E S 246 4 156.66 Acres

from which:

IMPROVEMENTS Thence N. 890 121

beers S. 27° 50' W. 152 1kg.

The improvements made upon this homestead consist of the itaes at mottod revo. . esnat eriw gao. following:

A log house 28 x 18 ft., the long side extending N. and S., and the NE. cor. of which bears S. 5° 05' W., 10.15 chs. dist. from cor. No. 3 of this survey.

> vd fediresen \$300.00 Value

rop vortees I destroy edr. A log barn 30 x 30 ft., the long side extending E. and W., and the NE. cor. of which bears S. 50 00' W., 14.98 chs. dist. from cor. No. 3 of this survey. the ground, over which I set a

Value

tas., IV ins. in s. 22° 25' W., 10.88 chs. distant from corner No. 3 to the E. end of a reservoir embankment which is 5 ft. high and extends north-

STATE OF ARIZONA

Chains

8G.C

west 4.80 chs. from point of bearing. Estimated capacity 1/2 acre ft. . TOO

Value'dd esv . M

Approximately 2-1/2 miles of wire fence as shown on plat.

19.72

Value

Approximately 40 acres of cultivated land.

89.63

88.8

39.90 11.72

DESCRIPTION . JET AL TOTTE

This claim is situated on the N. slope of the Mogollon mesa at an elevation of approximately 6500 ft. and occupies a tract of bottom land sloping gently to the northeast.

This section is timbered and a few trees are included in this survey. Sufficient water for domestic purposes and for stock is impounded in small reservoirs or hauled from Pierce Seep, a perennial spring that rises just North of cor. No. 3 of this survey. The soil is a clay loam and produces the ordinary crops of the temperate zone without artificial irrigation; but is best adapted to the small grains, sorghums and corn - good crops of which have been raised. This section is not reported to be mineralized: and no townsites, mining, coal or oil claims are known to have been located in this vicinity. There are no conflicts or adjoining claims. Heber postoffice is 6 miles by wagon road in a north-

westerly direction. Holbrook railway station is 56 miles by wagon road in a northeasterly direction.

August 11, 1914.

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	Cor. Course Dist. I N. 3 \ S. Tios B.	W.
.jelq	4-5 S. 26° 55' W. 23.37 20.84 5-6 S. 72° 43' W. 19.72 5.86 6-7 N. 0° 48' E. 9.83 9.83 0.14 7-8 N. 89° 12' W. 19.00 0.27 8-1 N. 0° 35' E. 23.98 23.98 0.24 164.77 45.80 45.84 48.52	0.13 10.58 18.83 19.00
	Error in Lat. and Dep. 45.80 0.04	48.52
nof.	Closing error 1:3684 and no betautie at mials aid	P
	mess at an elevation of approximately 6500 ft. an	
	occupies a tract of bottom land sloping gently to	
	Out Patenent and	1
bo	Soloni era seert wat a bus Walter for Juril	W.
	Surveyor - Forest Servi	ce
riovr	purposes and for stock is impounded in small resp	
J.B.	or hauled from Pierce Seep, a perennial spring th	
JA.	or hauled from Pierce Seep, a perennial apring to rises just North of cor. No. 3 of this survey.	
	rises just North of cor. No. 3 of this survey.	
sdon		
:uo:	rises just North of cor. No. 3 of this survey. he soil is a clay losm and produces the ordinary c	T.
:uo:	rises just North of cor. No. 3 of this survey. he soil is a clay losm and produces the ordinary of the temperate zone without artificial irrigati	
rops end	rises just North of cor. No. 3 of this survey. he soil is a clay losm and produces the ordinary c of the temperate zone without artificial irrisati but is best adapted to the small grains, sorghune	
rops on; end	rises just Morth of cor. No. 3 of this survey. he soil is a clay losm and produces the ordinary of of the temperate zone without artificial irrigati but is best adapted to the small grains, sorghums corn - good crops of which have been raised.	
rops on; end	rises just North of eor. No. 3 of this survey. he soil is a clay losm and produces the ordinary of the temperate zone without artificial irrigation tis best adapted to the small grains, sorghums corn - good crops of which have been raised. his section is not reported to be mineralized; and	
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rops on; end ad	rises just Morth of cor. No. 3 of this survey. he soil is a clay losm and produces the ordinary of the temperate zone without artificial irrigati but is best adapted to the small grains, sorghums corn - good crops of which have been raised. his section is not reported to be mineralized; an no townsites, mining, coal or oil claims are known to have been located in this vicinity.	T
rops on; and d	rises just North of cor. No. 3 of this survey. he soil is a clay losm and produces the ordinary of the temperate zone without artificial irrigation but is best adapted to the amall grains, sorghure corn - good crops of which have been raised. his section is not reported to be mineralized; and no townsites, mining, coal or oil claims are known to have been located in this vicinity. to have been located in this vicinity.	T

STATE OF ARIZONA

Chains

Detailed Computations.

Latitude, Longitude and Time.

34° 24' 13" N., Lat. at cor. to secs. 25, 30, 31 and 36, T. 12 N., Rs. 17 and 18 E., from special instructions of the Surveyor General.

5980 x 0.871 = 39.1, Southing.

0° 00' 39"

34° 23' 52" N., Lat. at cor. No. 1 of this survey.

110° 29' 45" W., Long. at cor. to secs. 25, 30, 31 and 36, T. 12 N., Rs. 17 and 18 E., from special instructions of Surveyor General.

0° 03' 19" 110° 33' 04" W., Long. at cor. No. 1 of this survey.

110° 33' 04" Long. = 7h. 22m. 12s. of time.

Polaris at cor. No. 1, August 10, 1914, at 10h. 40m. p.m., l.m.t., telescope direct.

4h. 17.9m. a.m., Greenwich m.t. U. C. Pol., Aug. 10, 1914 Ol.2m. Sidereal correction 4h. 16.7m. a.m., 1.m.t. U.C. Pol., August 10, 1914.

16h. 16.7m., astron. l.m.t. U.C. Pol., August 9, 1914. 34h. 40.0m., astron. l.m.t. obsn., August 9, 1914. 18h. 23.3m., hour angle Pol. 23h. 56.1m. 5h. 32.8m., time argument.

88° 50' 47.2", decl. Pol.

 $8.5 \times 0.4 = 0.3$, G. L. O. Ephemeris.

1º 23' 24" E. Azimuth Pol. at obsn.

Polaris at cor. No. 1, August 10, 1914, at 11h. 05m. p.m., 1.m.t., telescope reversed in altitude and time.

4h. 17.9m. a.m., Greenwich m.t., U.C. Pol., Aug. 10, 1914 01.2m., sidereal correction 4h. 16.7m. a.m., 1.m.t. U. C. Pol., August 10, 1914.

16h. 16.7m., astron. 1.m.t., U.C. Pol., August 9, 1914.

35h. 05.0m., astron. 1.m.t. obsn., August 9, 1914.

18h. 48.3m., hour angle Pol.

23h. 56.1m.

5h. 07.8m., time argument.

88° 50' 47.2". decl. Pol.

 $\frac{4.8}{12.8} \times 0.9 = 0.3.$

1° 22' 00" E., Azimuth Pol. at obsn.

TERROR MANOR NATIONAL FOREST

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Chains	Detailed Computations.	Chains
	Latitude, Longitude and Time.	
nd 36,	24° 24' 13" N., Let. at cor. to meds. 25, 30, 31 a T. 12 N., He. 17 and 18 A., Trom special instruction the Surveyor General.	
	5980 x 0.871 = 39.1, Southing.	
	SAº ES' DET N., Lat. at cor. No. 1 of this curvey.	
and 26, tions	110° 29' 45" V., Long. at dor. to sees. 25, 50, 31 T. 12 V., Es. 17 and 18 E., from special instruct of Surveyor General.	
• 7	0° 05' 19" Uong. at cor. No. 1 of this curve	
	110° 33' 04" Long. = 7h. 82m. 12a. of time.	
• 01	Polaria at cor. Ho. 1. August 10, 1914, at 10h. 40 p.w., 1.m.t., telescope direct.	
	4b. 17.9m. a.m., Greenwich m.t. U. G. Pol., Aug. 1 01.5m., Sideresl Correction 4h. 16.7m. a.m., 1.m.t. U.O. Pol., August 10, 1914	
914.	16h. 16.7m., astron. 1.m.t. U.G. Pol., August 9, 1 54h. 40.0m., estron. 1.m.t. obsn., August 9, 1914. 16h. 25.5m., hour samsle Pol. 25h. 56.1m.	
	bh. 22.8m., time argument.	
	88° 50' 47,8", decl. Pol.	*
	6.5 x 0.4 = 0.3, G. L. O. Ephemeris.	
	1º 25' 24" R., Azimuth Pol. at obsa.	
	Polaria at eer. No. 1, August 10, 1914, at 11h. Ob p.m., 1.m.t., telescope reversed in altitude and	
	4b. 17.9m. a.m., Greenwich m.t., U.C. Fol., Aug. 1 01.2m. , sideres correction 4b. 16.7m. a.m., 1.m.t. U. G. Fol., August 10, 191	
1914.	16h. 16.7m., astron. 1.m.t., U.O. Pol., August 9, 55h. 05.0m., astron. 1.m.t. obsn., August 9, 1914. 18h. 48.5m., hour angle Pol. 23h. 56.1m.	
	.ine argument. on. do. no. no. no. no. no. no. no. no. no. n	
	88° 50' 47.2", decl. Tol.	
	4.8 x 0.9 = 0.3.	
	1º 22' 00" E., Asimuth Pol. at oben.	

Raymond M. Jensen -S. AREAS. 3969 14 1833 1790 836 3133 330 DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures.

2. In balancing Latitudes and Departures do not obliterate or change the footing of the original figures, but put below them the corrected figure or figures above in red ink. Do not change the footing of the lines.

The corrections for balancing fallings should be proportional to the lengths of the lines.

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O. 4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner. Area 36 13 00 65 N. AREAS. 453 372 10 9 836 ARIZONA 65 96 DOUBLE M. D. 80 67 55 86 25 8 56 86 85 19 38 96 0 OF STATE 58 83 8 54 WEST. 4 10 18 19 0 48 DEPARTURES 246 0 0 24 8 14 52 EAST. 0 38 10 48 TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO 200 86 84 SOUTH. 45 18 45 20 0 D LATITUDES. Cos 45 80 23 98 83 27 NORTH. 0 0 164.77 18.97 23.37 19.72 9.83 19.00 23.98 DISTANCE Closing error 1:3684 N. 89° 12 W. 0° 24 W 0° 35' E 26° 55 W 0° 48' K 551 S. 89° 00° 43 BEARING. 720 N. 72º 3 S N. N. 3 Form 85. Sheet No. 3.—Revised Feb., 1915. 7-8 1-2 2-3 3-4 4-5 2-6 4-9 8-1 CORNERS 8-2349

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, June 12 , 1916

The foregoing field notes of Homestead Entry Survey No.

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executed by Walter G. Turley, Surveyor-Forest Service [Forest Service Title.] under his special instructions, dated August 6 , 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved. U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described survey in the State of Arizona , has been correctly copied from the original notes on file in this office.

Frank P. Trott

U. S. Surveyor General.

8-2349